

**ABSTRACT OF THE DISCLOSURE**

A system for connecting a cellular phone located in a mobile vehicle such as an aircraft, land vehicle, water craft or space craft to a stationary mobile telephone network includes a mobile radio base station on board the mobile vehicle that converts mobile radio  
5 data into IP data and transmits the IP data via an IP connection to a ground station where the IP data are converted back into mobile radio data and provided to a stationary mobile radio network.